COVID-19 morbidity and mortality by race, ethnicity and spoken language in Washington state

Washington State Department of Health February 08, 2022



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Publication Number 420-289

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NOTE: Beginning the week of December 23, 2020, probable cases are included in the metrics calculated for morbidity and mortality associated with race, ethnicity, and spoken language. Probable cases are individuals with a positive antigen test for COVID-19. Also, as of December 16, 2020, probable cases are included in all case, hospitalization, and death counts on the Washington State Department of Health COVID-19 dashboard. Probable cases since June 2020, when the first antigen results were reported in Washington, are now included in the dashboard. This places the report on "COVID-19 Morbidity and Mortality by Race, Ethnicity and Spoken Language in Washington State" in alignment with the Washington State Department of Health COVID-19 Date Dashboard.

Overview

The impacts of COVID-19 morbidity and mortality have not been felt equally by all populations in Washington state. The pandemic has exacerbated the underlying and persistent inequities among historically marginalized communities and those disproportionately impacted due to structural racism and other forms of systemic oppression. This report provides an overview of confirmed or probable COVID-19 case, hospitalization, and death rates by race and ethnicity at state and regional levels. It also provides counts and percentages of confirmed or probable cases and hospitalizations by primary language spoken. Throughout this report, the COVID-19 case definition includes both molecular testing and antigen testing. Molecular positive cases are considered confirmed cases and antigen positive cases are considered probable cases. All hospitalization, death, and testing data reported here are based on positive molecular or antigen test results.

All rates presented in this report are adjusted for age using the Washington state population distribution based on the Office of Financial Management's (OFM) April 1, 2020 population estimates by age, sex, race, and Hispanic origin. The rate calculations are for the population groups available from OFM for the Washington state population and follow Department of Health guidelines. Hispanic ethnicity was assigned first, regardless of race, and then racial groups were identified for those identifying as non-Hispanic. Based on this, the current report includes the following groups:

Hispanic; and

• non-Hispanic race categorizations for white, Black, Native Hawaiian and Pacific Islander, Asian, and American Indian/Alaska Native.

While this allows assessment of data by race and ethnicity groups, this categorization is incomplete and does not reflect the diversity of people and experiences across the state. Additionally, there is a significant lack of race and ethnicity reporting for confirmed or probable COVID-19 cases and hospitalizations (about 29% missing) and for deaths (about 0% missing). Primary language spoken is missing for about 75% of cases and hospitalizations. Age information is missing for a small percentage of confirmed or probable cases (about 0.1%), and these cases are not included in age-adjusted rates. The lack of data limits our ability to draw firm conclusions; however, there are some concerning patterns reported below.

Cumulative age-adjusted confirmed or probable COVID-19 case, hospitalization, and death rates by race and ethnicity per 100,000 population

The table and figures below describe the counts and age-adjusted rates per 100,000 population in Washington by race and ethnicity for confirmed or probable cases, hospitalizations, and deaths for the entire time period from the start of the pandemic through 2022-02-07 based on the specimen collection date. 95% confidence intervals are included in the charts.

The data show that communities of color are disproportionately impacted by COVID-19 in significant ways, including the following.

COVID-19 confirmed or probable case rates

- Native Hawaiian and Pacific Islander (NHPI) and Hispanic populations have the highest ageadjusted confirmed or probable case rates while Asian and multiracial populations have the lowest case rates.
- Confirmed or probable case rates for NHPI and Hispanic populations are approximately three times higher than case rates for Asian and multiracial populations.
- Confirmed or probable case rates for Black populations are approximately two times higher than case rates among Asian and multiracial populations.

COVID-19 hospitalization rates among confirmed or probable cases

- Hospitalization rates among confirmed or probable COVID-19 cases are the highest for NHPI populations and lowest for multiracial populations.
- NHPI hospitalization rates among confirmed or probable COVID-19 cases are seven times higher than white populations.
- Hispanic hospitalization rates among confirmed or probable COVID-19 cases are two times higher than white populations.
- Hospitalization rates among confirmed or probable COVID-19 cases for Black and American Indian and Alaska Native (AIAN) populations are two times higher compared to white populations.

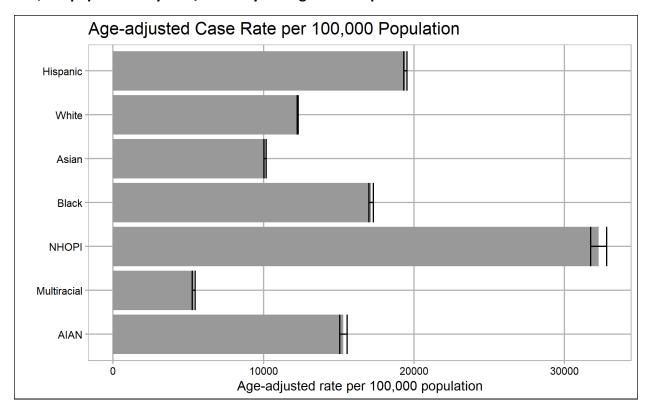
COVID-19 death rates among confirmed or probable cases

- Asian populations have the lowest death rates among confirmed or probable COVID-19 cases of all race/ethnicity groups.
- NHPI populations have death rates among confirmed or probable COVID-19 cases that are approximately five times higher than white populations.
- AIAN and Hispanic populations have death rates among confirmed or probable COVID-19
 cases that are approximately three times higher than white populations.
- Black populations have death rates among confirmed or probable COVID-19 cases that are about twice as high as white populations.

Table 1. Confirmed or probable COVID-19 case, hospitalization, and death count and ageadjusted rates by race/ethnicity

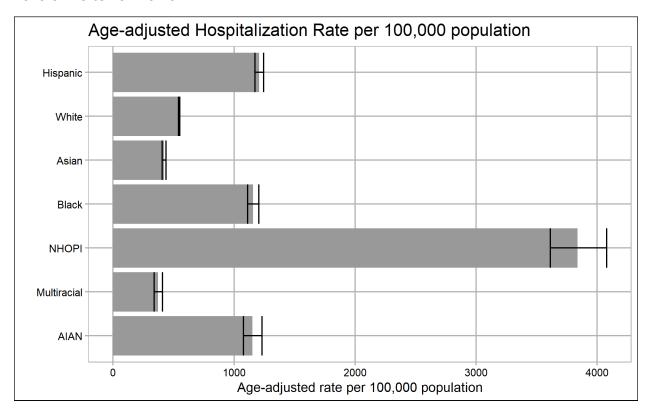
| Race/Ethnicity | Case Count | Age- Adjusted Case Rate per 100,000 | Hospitalization Count | Age-Adjusted Hospitalization Rate per 100,000 | Death Count | Age- Adjusted Death Rate per 100,000 |
|----------------|---------------|---|--------------------------|--|----------------|--|
| All Races | 1,384,87 0 | 18088.2 | 56,022 | 731.7 | 11,094 | 144.9 |
| Unknown | 396,402 | | 8,182 | | 26 | |
| Hispanic | 196,310 | 19436.3 | 6,687 | 1208 | 1,138 | 326.7 |
| White | 604,446 | 12269 | 32,282 | 546.2 | 8,173 | 127.3 |
| Asian | 75,395 | 10108 | 2,524 | 421.4 | 631 | 125.9 |
| Black | 54,549 | 17152.3 | 2,800 | 1156.9 | 370 | 201.4 |
| NHPI | 18,288 | 32275.1 | 1,446 | 3838.2 | 190 | 701.7 |
| Multiracial | 16,632 | 5367.3 | 580 | 372 | 163 | 137.2 |
| AIAN | 14,783 | 15314.2 | 966 | 1152.6 | 249 | 356.9 |
| Other | 8,065 | | 555 | | 154 | |

The following graph indicates the age-adjusted confirmed or probable COVID-19 case rate per 100,000 population by race/ethnicity during the time period 2020-01-19 to 2022-02-07



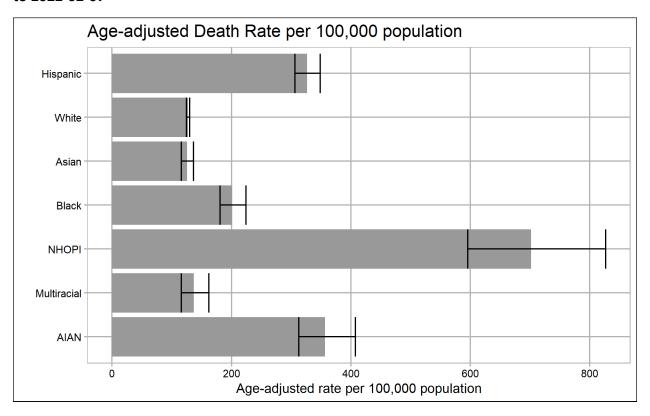
Source: Washington Disease Reporting System (WDRS)

The following graph indicates the age-adjusted hospitalization rate among confirmed or probable COVID-19 cases per 100,000 population by race/ethnicity during the time period 2020-01-19 to 2022-02-07



Source: Washington Disease Reporting System (WDRS)

The following graph indicates the age-adjusted death rate among confirmed or probable COVID-19 cases per 100,000 population by race/ethnicity during the time period 2020-01-19 to 2022-02-07



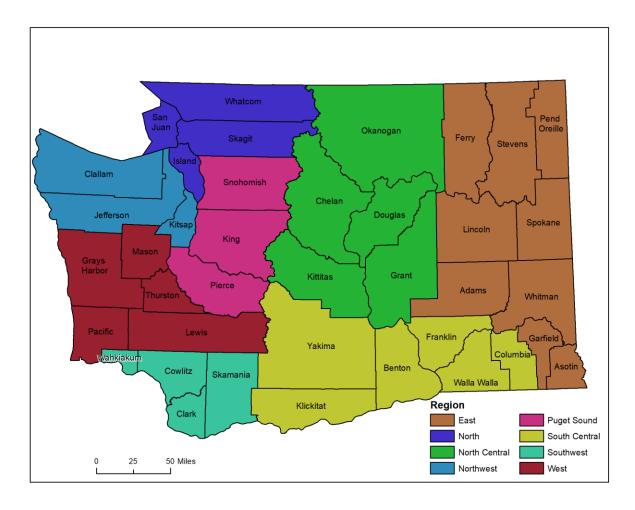
Source: Electronic Death Registration System (EDRS) and Washington Health and Life Events System (WHALES)

Analysis of confirmed or probable COVID-19 cases, hospitalizations, and deaths by geographic region

Regional groupings of Washington state counties

Some counties may not have sufficient case counts to analyze trends by race and ethnicity. In order to incorporate data from counties of all sizes, counties were assigned into one of 8 analytic regions (see Map of Washington Counties and Analysis Regions below). The regions presented were developed by the Washington State Department of Health in order to better understand geographic differences in disease spread and how disease spread may be changing over time. While infection rates may not be the same within any given region, this regional grouping allows for more specific geographic analyses without excluding any counties or communities due to concerns about smaller numbers.

Map of Washington counties by DOH analysis regions



Missing race/ethnicity data by region

The North and Northwest regions have the highest percentage of missing race/ethnicity data among confirmed or probable COVID-19 cases and the North Central and Puget Sound regions have the lowest percentage of missing data on race/ethnicity, as indicated in the following table. The total number of confirmed or probable cases, and the number and percentage of confirmed or probable cases with missing data are shown in Table 2.

Table 2. Counts and percentage of confirmed or probable COVID-19 cases with unknown race/ethnicity by DOH analytic region.

| Region | Case Count | Cases with Unknown Race/Ethnicity | % Cases with Unknown Race/Ethnicity |
|--------|------------|---|---|
| East | 149,662 | 41,571 | 28% |
| North | 66,772 | 25,575 | 38% |

| Region | Case Count | Cases with Unknown Race/Ethnicity | % Cases with Unknown Race/Ethnicity |
|------------------|------------|---|---|
| North Central | 70,109 | 16,860 | 24% |
| Northwest | 50,017 | 18,348 | 37% |
| Puget Sound | 682,192 | 180,759 | 26% |
| South Central | 169,994 | 51,666 | 30% |
| Southwest | 102,986 | 34,865 | 34% |
| West | 90,817 | 25,099 | 28% |
| Unknown | 3,150 | 2,161 | 69% |

Source: Washington Disease Reporting System (WDRS)

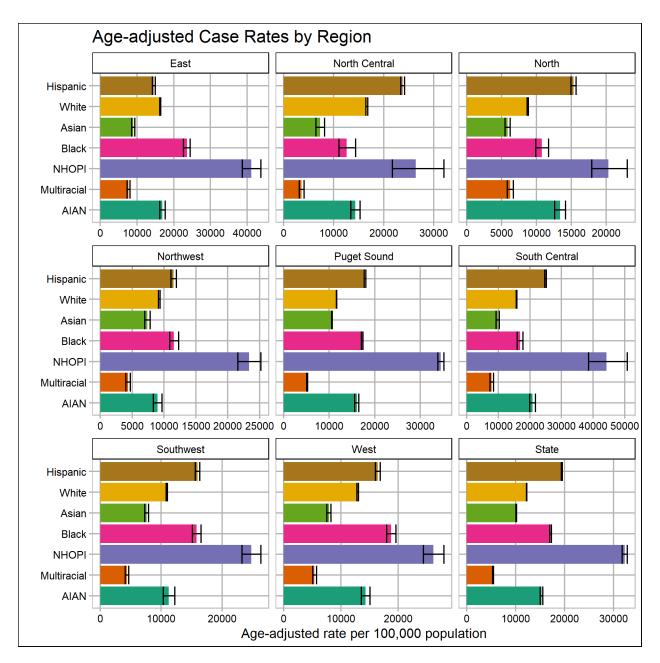
Includes data from 2020-01-19 to 2022-02-07

Cumulative age-adjusted confirmed or probable COVID-19 case rates by race, ethnicity, and analytic region

The following figures describe the age-adjusted confirmed or probable COVID-19 case rates per 100,000 population by race/ethnicity and region. They were calculated using the confirmed or probable cases with known race/ethnicity (about 71% of all reported cases).

It is important to note that the numeric scale differs across regions, so use caution when comparing two or more regions, as their scales may differ. The last figure (lower right corner) presents the age-adjusted confirmed or probable COVID-19 case rates for the whole state.

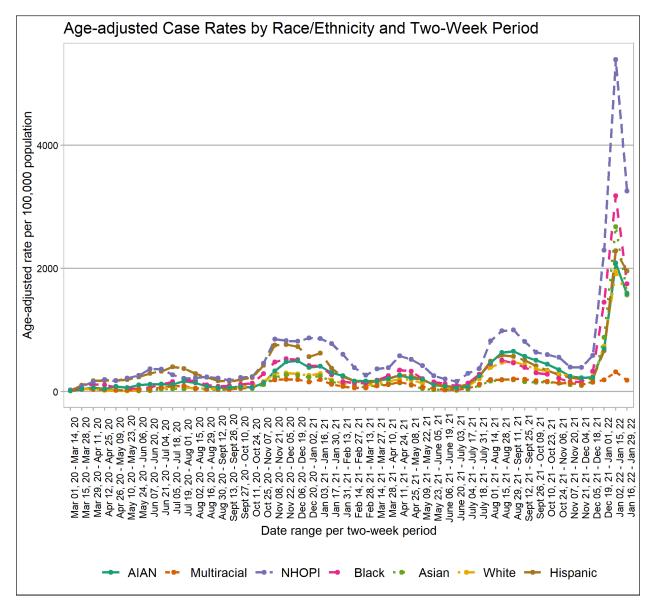
These data indicate that COVID-19 is found in significant numbers across racial and ethnic groups throughout the state, and it is not confined to certain areas, such as rural, urban, or suburban regions. Population centers in Puget Sound contribute substantially to the counts. However less populated regions, like South Central Washington, show larger rate differences by race/ethnicity, although they have smaller populations of racial and ethnic minorities. Further, while extreme disparities exist, people of all races and ethnicities are impacted.



Source: Washington Disease Reporting System (WDRS) Includes data from 2020-01-19 to 2022-02-07

Age-adjusted confirmed or probable COVID-19 case rates by race and ethnicity per two-week period (Mar 2020-January* 2022)

*January 2022 data include all confirmed or probable cases with a specimen collection date through 2022-01-29 to include the most recent, complete two-week period of data collection.



Confirmed or probable COVID-19 case rates, adjusted for age by race and ethnicity, were calculated to better understand how race- and ethnicity-specific patterns may be changing over time by two-week period. Race/ethnicity-specific counts and age-adjusted rates increased for all race/ethnicity groups through July and early August 2020. All groups declined from early August to mid/late-August and flattened through September 2020. All race/ethnicity-age-adjusted rates began to rapidly increase in mid-October through the end of November. Rates of confirmed or probable cases remain highest for Hispanic and NHPI population, and higher Black and AIAN populations in comparison to white, Asian, and multiracial populations.

Table 3. Age-adjusted confirmed or probable COVID-19 case rates by race and ethnicity per two-week period (Mar 1, 2020 - January 29, 2022)

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Mar 01, 20- Mar 14, 20 | 107 | 15.1 | 12.1 | 18.8 |
| | Mar 15, 20- Mar 28, 20 | 704 | 103.1 | 94.5 | 112.4 |
| | Mar 29, 20- Apr 11, 20 | 1,214 | 175.7 | 164.3 | 187.9 |
| | Apr 12, 20- Apr 25, 20 | 1,372 | 176.9 | 166.1 | 188.4 |
| | Apr 26, 20- May 09, 20 | 1,474 | 177.5 | 167.1 | 188.7 |
| | May 10, 20- May 23, 20 | 1,709 | 195.4 | 184.7 | 206.7 |
| | May 24, 20- Jun 06, 20 | 2,003 | 237.0 | 224.8 | 249.8 |
| Hispanic | Jun 07, 20- Jun 20, 20 | 2,497 | 293.3 | 279.8 | 307.5 |
| | Jun 21, 20- Jul 04, 20 | 2,924 | 329.1 | 314.9 | 344.0 |
| | Jul 05, 20- Jul 18, 20 | 3,783 | 403.1 | 388.1 | 418.6 |
| | Jul 19, 20- Aug 01, 20 | 3,467 | 372.7 | 358.1 | 387.8 |
| | Aug 02, 20- Aug 15, 20 | 2,663 | 289.9 | 276.9 | 303.4 |
| | Aug 16, 20- Aug 29, 20 | 2,150 | 232.4 | 220.9 | 244.5 |
| | Aug 30, 20- Sept 12, 20 | 1,640 | 176.1 | 166.1 | 186.7 |
| | Sept 13, 20- Sept 26, 20 | 1,516 | 166.1 | 156.3 | 176.5 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Sept 27, 20- Oct 10, 20 | 1,814 | 191.0 | 180.8 | 201.8 |
| | Oct 11, 20- Oct 24, 20 | 2,150 | 225.6 | 214.6 | 237.1 |
| | Oct 25, 20- Nov 07, 20 | 4,100 | 423.8 | 408.6 | 439.6 |
| | Nov 08, 20- Nov 21, 20 | 7,115 | 753.3 | 732.8 | 774.4 |
| | Nov 22, 20- Dec 05, 20 | 7,296 | 764.3 | 743.7 | 785.5 |
| | Dec 06, 20- Dec 19, 20 | 6,858 | 727.3 | 707.1 | 748.1 |
| | Dec 20, 20- Jan 02, 21 | 5,276 | 564.3 | 546.4 | 582.8 |
| | Jan 03, 21- Jan 16, 21 | 6,013 | 621.5 | 603.0 | 640.6 |
| | Jan 17, 21- Jan 30, 21 | 3,511 | 378.4 | 363.5 | 393.9 |
| | Jan 31, 21- Feb 13, 21 | 2,313 | 240.8 | 229.3 | 252.9 |
| | Feb 14, 21- Feb 27, 21 | 1,673 | 170.6 | 161.1 | 180.7 |
| | Feb 28, 21- Mar 13, 21 | 1,438 | 142.2 | 133.8 | 151.1 |
| | Mar 14, 21- Mar 27, 21 | 1,761 | 168.0 | 159.1 | 177.4 |
| | Mar 28, 21- Apr 10, 21 | 2,284 | 213.4 | 203.5 | 223.9 |
| | Apr 11, 21- Apr 24, 21 | 2,861 | 265.4 | 254.4 | 276.9 |
| | Apr 25, 21- May 08, 21 | 2,766 | 255.2 | 244.3 | 266.6 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | May 09, 21- May 22, 21 | 2,004 | 181.3 | 172.3 | 190.7 |
| | May 23, 21- June 05, 21 | 1,271 | 117.8 | 110.4 | 125.6 |
| | June 06, 21- June 19, 21 | 934 | 91.7 | 85.0 | 99.0 |
| | June 20, 21- July 03, 21 | 744 | 73.5 | 67.3 | 80.2 |
| | July 04, 21- July 17, 21 | 1,166 | 119.9 | 111.7 | 128.6 |
| | July 18, 21- July 31, 21 | 2,656 | 253.4 | 242.3 | 265.0 |
| | Aug 01, 21- Aug 14, 21 | 5,218 | 493.7 | 478.2 | 509.8 |
| | Aug 15, 21- Aug 28, 21 | 6,104 | 591.1 | 573.7 | 609.0 |
| | Aug 29, 21- Sept 11, 21 | 5,987 | 570.9 | 553.8 | 588.6 |
| | Sept 12, 21- Sept 25, 21 | 5,447 | 507.4 | 491.5 | 523.9 |
| | Sept 26, 21- Oct 09, 21 | 4,406 | 415.7 | 401.1 | 430.8 |
| | Oct 10, 21- Oct 23, 21 | 3,565 | 345.0 | 331.6 | 358.9 |
| | Oct 24, 21- Nov 06, 21 | 2,898 | 272.1 | 260.4 | 284.3 |
| | Nov 07, 21- Nov 20, 21 | 2,361 | 225.3 | 214.5 | 236.6 |
| | Nov 21, 21- Dec 04, 21 | 2,138 | 201.1 | 191.1 | 211.7 |
| | Dec 05, 21- Dec 18, 21 | 2,374 | 215.0 | 204.9 | 225.6 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|---------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Dec 19, 21- Jan 01, 22 | 6,990 | 662.4 | 644.5 | 680.8 |
| | Jan 02, 22- Jan 15, 22 | 25,535 | 2,284.2 | 2,251.7 | 2,317.2 |
| | Jan 16, 22- Jan 29, 22 | 21,603 | 1,955.5 | 1,924.8 | 1,986.7 |
| | Mar 01, 20- Mar 14, 20 | 642 | 11.0 | 10.1 | 11.9 |
| | Mar 15, 20- Mar 28, 20 | 2,392 | 42.4 | 40.7 | 44.1 |
| | Mar 29, 20- Apr 11, 20 | 1,806 | 32.1 | 30.6 | 33.6 |
| | Apr 12, 20- Apr 25, 20 | 1,043 | 18.3 | 17.2 | 19.5 |
| | Apr 26, 20- May 09, 20 | 883 | 15.6 | 14.6 | 16.7 |
| | May 10, 20- May 23, 20 | 603 | 10.9 | 10.0 | 11.8 |
| White | May 24, 20- Jun 06, 20 | 776 | 14.8 | 13.8 | 15.9 |
| | Jun 07, 20- Jun 20, 20 | 1,343 | 25.9 | 24.5 | 27.3 |
| | Jun 21, 20- Jul 04, 20 | 2,926 | 59.2 | 57.1 | 61.5 |
| | Jul 05, 20- Jul 18, 20 | 3,522 | 69.9 | 67.6 | 72.3 |
| | Jul 19, 20- Aug 01, 20 | 3,514 | 68.5 | 66.2 | 70.8 |
| | Aug 02, 20- Aug 15, 20 | 2,785 | 54.7 | 52.7 | 56.8 |
| | Aug 16, 20- Aug 29, 20 | 2,222 | 44.1 | 42.3 | 46.0 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Aug 30, 20- Sept 12, 20 | 2,240 | 44.6 | 42.7 | 46.5 |
| | Sept 13, 20- Sept 26, 20 | 2,800 | 55.1 | 53.0 | 57.2 |
| | Sept 27, 20- Oct 10, 20 | 3,929 | 77.9 | 75.5 | 80.4 |
| | Oct 11, 20- Oct 24, 20 | 4,904 | 96.2 | 93.5 | 99.0 |
| | Oct 25, 20- Nov 07, 20 | 8,071 | 159.1 | 155.6 | 162.7 |
| | Nov 08, 20- Nov 21, 20 | 14,896 | 293.9 | 289.2 | 298.8 |
| | Nov 22, 20- Dec 05, 20 | 15,175 | 297.3 | 292.6 | 302.1 |
| | Dec 06, 20- Dec 19, 20 | 14,573 | 284.5 | 279.8 | 289.2 |
| | Dec 20, 20- Jan 02, 21 | 13,290 | 259.8 | 255.4 | 264.3 |
| | Jan 03, 21- Jan 16, 21 | 14,581 | 288.6 | 283.9 | 293.4 |
| | Jan 17, 21- Jan 30, 21 | 9,206 | 182.3 | 178.6 | 186.1 |
| | Jan 31, 21- Feb 13, 21 | 6,764 | 134.4 | 131.2 | 137.7 |
| | Feb 14, 21- Feb 27, 21 | 5,204 | 104.1 | 101.3 | 107.0 |
| | Feb 28, 21- Mar 13, 21 | 4,834 | 97.7 | 95.0 | 100.5 |
| | Mar 14, 21- Mar 27, 21 | 6,351 | 129.5 | 126.3 | 132.8 |
| | Mar 28, 21- Apr 10, 21 | 8,044 | 165.1 | 161.5 | 168.8 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Apr 11, 21- Apr 24, 21 | 9,979 | 204.9 | 200.9 | 209.0 |
| | Apr 25, 21- May 08, 21 | 9,039 | 186.4 | 182.6 | 190.3 |
| | May 09, 21- May 22, 21 | 6,515 | 133.4 | 130.2 | 136.7 |
| | May 23, 21- June 05, 21 | 4,470 | 91.4 | 88.8 | 94.2 |
| | June 06, 21- June 19, 21 | 3,099 | 62.4 | 60.2 | 64.7 |
| | June 20, 21- July 03, 21 | 2,727 | 54.6 | 52.6 | 56.7 |
| | July 04, 21- July 17, 21 | 4,457 | 90.5 | 87.8 | 93.2 |
| | July 18, 21- July 31, 21 | 10,020 | 202.4 | 198.4 | 206.4 |
| | Aug 01, 21- Aug 14, 21 | 19,273 | 390.3 | 384.8 | 396.0 |
| | Aug 15, 21- Aug 28, 21 | 23,461 | 471.6 | 465.6 | 477.8 |
| | Aug 29, 21- Sept 11, 21 | 23,838 | 481.3 | 475.2 | 487.6 |
| | Sept 12, 21- Sept 25, 21 | 21,378 | 436.6 | 430.7 | 442.6 |
| | Sept 26, 21- Oct 09, 21 | 17,769 | 362.7 | 357.3 | 368.1 |
| | Oct 10, 21- Oct 23, 21 | 16,568 | 334.3 | 329.2 | 339.5 |
| | Oct 24, 21- Nov 06, 21 | 14,678 | 296.1 | 291.3 | 301.0 |
| | Nov 07, 21- Nov 20, 21 | 12,047 | 245.5 | 241.1 | 249.9 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|---------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Nov 21, 21- Dec 04, 21 | 10,813 | 220.6 | 216.4 | 224.9 |
| | Dec 05, 21- Dec 18, 21 | 11,754 | 243.5 | 239.1 | 248.0 |
| | Dec 19, 21- Jan 01, 22 | 35,657 | 733.8 | 726.1 | 741.5 |
| | Jan 02, 22- Jan 15, 22 | 93,888 | 1,952.7 | 1,940.1 | 1,965.4 |
| | Jan 16, 22- Jan 29, 22 | 75,483 | 1,562.9 | 1,551.6 | 1,574.2 |
| | Mar 01, 20- Mar 14, 20 | 121 | 18.8 | 15.6 | 22.6 |
| | Mar 15, 20- Mar 28, 20 | 306 | 43.9 | 39.1 | 49.3 |
| | Mar 29, 20- Apr 11, 20 | 376 | 54.5 | 49.2 | 60.5 |
| | Apr 12, 20- Apr 25, 20 | 269 | 39.5 | 34.9 | 44.7 |
| | Apr 26, 20- May 09, 20 | 154 | 21.9 | 18.6 | 25.8 |
| Asian | May 10, 20- May 23, 20 | 122 | 17.3 | 14.4 | 20.8 |
| | May 24, 20- Jun 06, 20 | 86 | 11.8 | 9.5 | 14.6 |
| | Jun 07, 20- Jun 20, 20 | 116 | 16.1 | 13.4 | 19.4 |
| | Jun 21, 20- Jul 04, 20 | 294 | 39.8 | 35.4 | 44.7 |
| | Jul 05, 20- Jul 18, 20 | 327 | 44.3 | 39.7 | 49.5 |
| | Jul 19, 20- Aug 01, 20 | 327 | 45.3 | 40.6 | 50.6 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Aug 02, 20- Aug 15, 20 | 279 | 37.9 | 33.6 | 42.7 |
| | Aug 16, 20- Aug 29, 20 | 264 | 35.6 | 31.4 | 40.2 |
| | Aug 30, 20- Sept 12, 20 | 214 | 29.5 | 25.7 | 33.9 |
| | Sept 13, 20- Sept 26, 20 | 255 | 35.2 | 31.0 | 39.9 |
| | Sept 27, 20- Oct 10, 20 | 354 | 46.9 | 42.1 | 52.1 |
| | Oct 11, 20- Oct 24, 20 | 380 | 49.9 | 45.0 | 55.3 |
| | Oct 25, 20- Nov 07, 20 | 815 | 109.7 | 102.3 | 117.7 |
| | Nov 08, 20- Nov 21, 20 | 1,718 | 230.5 | 219.6 | 241.9 |
| | Nov 22, 20- Dec 05, 20 | 1,986 | 271.9 | 259.9 | 284.5 |
| | Dec 06, 20- Dec 19, 20 | 1,868 | 261.2 | 249.3 | 273.6 |
| | Dec 20, 20- Jan 02, 21 | 1,695 | 232.2 | 221.2 | 243.8 |
| | Jan 03, 21- Jan 16, 21 | 1,804 | 249.7 | 238.2 | 261.8 |
| | Jan 17, 21- Jan 30, 21 | 1,160 | 162.2 | 152.9 | 172.1 |
| | Jan 31, 21- Feb 13, 21 | 757 | 105.0 | 97.6 | 112.9 |
| | Feb 14, 21- Feb 27, 21 | 604 | 82.8 | 76.4 | 89.8 |
| | Feb 28, 21- Mar 13, 21 | 535 | 71.2 | 65.3 | 77.6 |
| | | | | | |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Mar 14, 21- Mar 27, 21 | 795 | 106.5 | 99.2 | 114.4 |
| | Mar 28, 21- Apr 10, 21 | 940 | 121.9 | 114.2 | 130.1 |
| | Apr 11, 21- Apr 24, 21 | 1,090 | 142.1 | 133.7 | 150.9 |
| | Apr 25, 21- May 08, 21 | 789 | 102.0 | 95.0 | 109.6 |
| | May 09, 21- May 22, 21 | 362 | 47.3 | 42.6 | 52.5 |
| | May 23, 21- June 05, 21 | 232 | 31.4 | 27.5 | 35.8 |
| | June 06, 21- June 19, 21 | 170 | 23.3 | 20.0 | 27.2 |
| | June 20, 21- July 03, 21 | 147 | 19.1 | 16.2 | 22.5 |
| | July 04, 21- July 17, 21 | 277 | 35.9 | 31.8 | 40.5 |
| | July 18, 21- July 31, 21 | 759 | 100.3 | 93.3 | 107.9 |
| | Aug 01, 21- Aug 14, 21 | 1,280 | 168.5 | 159.3 | 178.2 |
| | Aug 15, 21- Aug 28, 21 | 1,435 | 192.1 | 182.2 | 202.5 |
| | Aug 29, 21- Sept 11, 21 | 1,400 | 186.1 | 176.4 | 196.3 |
| | Sept 12, 21- Sept 25, 21 | 1,201 | 161.3 | 152.3 | 170.9 |
| | Sept 26, 21- Oct 09, 21 | 1,114 | 151.2 | 142.4 | 160.5 |
| | Oct 10, 21- Oct 23, 21 | 1,118 | 152.9 | 144.0 | 162.3 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|---------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Oct 24, 21- Nov 06, 21 | 1,010 | 137.2 | 128.9 | 146.1 |
| | Nov 07, 21- Nov 20, 21 | 802 | 109.6 | 102.2 | 117.7 |
| | Nov 21, 21- Dec 04, 21 | 711 | 95.8 | 88.9 | 103.3 |
| | Dec 05, 21- Dec 18, 21 | 1,279 | 169.7 | 160.5 | 179.5 |
| | Dec 19, 21- Jan 01, 22 | 6,792 | 881.4 | 860.4 | 903.0 |
| | Jan 02, 22- Jan 15, 22 | 20,153 | 2,674.4 | 2,637.0 | 2,712.2 |
| | Jan 16, 22- Jan 29, 22 | 11,891 | 1,600.8 | 1,571.8 | 1,630.4 |
| | Mar 01, 20- Mar 14, 20 | 36 | 13.6 | 9.6 | 19.3 |
| | Mar 15, 20- Mar 28, 20 | 213 | 76.7 | 66.6 | 88.4 |
| | Mar 29, 20- Apr 11, 20 | 319 | 116.3 | 103.5 | 130.6 |
| | Apr 12, 20- Apr 25, 20 | 311 | 106.2 | 94.6 | 119.2 |
| Black | Apr 26, 20- May 09, 20 | 213 | 71.6 | 62.2 | 82.3 |
| | May 10, 20- May 23, 20 | 160 | 51.7 | 44.1 | 60.8 |
| | May 24, 20- Jun 06, 20 | 133 | 45.2 | 37.7 | 54.1 |
| | Jun 07, 20- Jun 20, 20 | 195 | 62.2 | 53.8 | 72.1 |
| | Jun 21, 20- Jul 04, 20 | 387 | 121.4 | 109.4 | 134.7 |
| | | | | | |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Jul 05, 20- Jul 18, 20 | 512 | 159.4 | 145.8 | 174.3 |
| | Jul 19, 20- Aug 01, 20 | 567 | 183.5 | 168.4 | 199.9 |
| | Aug 02, 20- Aug 15, 20 | 522 | 172.1 | 157.4 | 188.2 |
| | Aug 16, 20- Aug 29, 20 | 324 | 104.6 | 93.4 | 117.1 |
| | Aug 30, 20- Sept 12, 20 | 246 | 80.1 | 70.3 | 91.3 |
| | Sept 13, 20- Sept 26, 20 | 278 | 89.9 | 79.5 | 101.6 |
| | Sept 27, 20- Oct 10, 20 | 365 | 113.8 | 102.3 | 126.5 |
| | Oct 11, 20- Oct 24, 20 | 425 | 135.4 | 122.6 | 149.4 |
| | Oct 25, 20- Nov 07, 20 | 941 | 289.8 | 271.5 | 309.4 |
| | Nov 08, 20- Nov 21, 20 | 1,512 | 479.3 | 455.0 | 505.0 |
| | Nov 22, 20- Dec 05, 20 | 1,632 | 532.2 | 505.9 | 559.9 |
| | Dec 06, 20- Dec 19, 20 | 1,554 | 516.5 | 490.2 | 544.1 |
| | Dec 20, 20- Jan 02, 21 | 1,275 | 419.2 | 395.8 | 443.9 |
| | Jan 03, 21- Jan 16, 21 | 1,277 | 409.3 | 386.6 | 433.3 |
| | Jan 17, 21- Jan 30, 21 | 825 | 269.3 | 250.8 | 289.2 |
| | Jan 31, 21- Feb 13, 21 | 491 | 160.9 | 146.7 | 176.6 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Feb 14, 21- Feb 27, 21 | 435 | 141.9 | 128.6 | 156.5 |
| | Feb 28, 21- Mar 13, 21 | 433 | 136.4 | 123.8 | 150.3 |
| | Mar 14, 21- Mar 27, 21 | 590 | 184.8 | 170.1 | 200.8 |
| | Mar 28, 21- Apr 10, 21 | 843 | 255.0 | 238.0 | 273.2 |
| | Apr 11, 21- Apr 24, 21 | 1,135 | 345.7 | 325.7 | 366.9 |
| | Apr 25, 21- May 08, 21 | 1,071 | 329.9 | 310.2 | 350.8 |
| | May 09, 21- May 22, 21 | 671 | 206.1 | 190.7 | 222.7 |
| | May 23, 21- June 05, 21 | 506 | 155.5 | 142.2 | 170.1 |
| | June 06, 21- June 19, 21 | 401 | 125.3 | 113.3 | 138.7 |
| | June 20, 21- July 03, 21 | 305 | 94.1 | 83.8 | 105.6 |
| | July 04, 21- July 17, 21 | 448 | 133.3 | 121.3 | 146.4 |
| | July 18, 21- July 31, 21 | 922 | 278.9 | 261.1 | 297.9 |
| | Aug 01, 21- Aug 14, 21 | 1,464 | 449.2 | 426.3 | 473.4 |
| | Aug 15, 21- Aug 28, 21 | 1,615 | 506.2 | 481.4 | 532.2 |
| | Aug 29, 21- Sept 11, 21 | 1,458 | 462.3 | 438.4 | 487.6 |
| | Sept 12, 21- Sept 25, 21 | 1,249 | 389.4 | 367.9 | 412.3 |
| | | | | | |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Sept 26, 21- Oct 09, 21 | 979 | 303.4 | 284.4 | 323.6 |
| | Oct 10, 21- Oct 23, 21 | 885 | 279.3 | 261.0 | 298.9 |
| | Oct 24, 21- Nov 06, 21 | 668 | 210.5 | 194.7 | 227.7 |
| | Nov 07, 21- Nov 20, 21 | 493 | 155.8 | 142.1 | 170.7 |
| | Nov 21, 21- Dec 04, 21 | 507 | 154.9 | 141.7 | 169.3 |
| | Dec 05, 21- Dec 18, 21 | 1,079 | 329.2 | 309.8 | 349.9 |
| | Dec 19, 21- Jan 01, 22 | 4,729 | 1,450.1 | 1,408.4 | 1,493.1 |
| | Jan 02, 22- Jan 15, 22 | 10,240 | 3,179.1 | 3,116.5 | 3,243.0 |
| | Jan 16, 22- Jan 29, 22 | 5,572 | 1,747.4 | 1,700.8 | 1,795.3 |
| | Mar 01, 20- Mar 14, 20 | 11 | 24.9 | 12.8 | 48.6 |
| | Mar 15, 20- Mar 28, 20 | 35 | 89.0 | 59.3 | 133.7 |
| | Mar 29, 20- Apr 11, 20 | 68 | 158.8 | 119.7 | 210.8 |
| NHPI | Apr 12, 20- Apr 25, 20 | 102 | 192.4 | 155.9 | 237.3 |
| | Apr 26, 20- May 09, 20 | 89 | 171.6 | 136.8 | 215.3 |
| | May 10, 20- May 23, 20 | 119 | 216.5 | 177.9 | 263.5 |
| | May 24, 20- Jun 06, 20 | 147 | 261.2 | 217.2 | 314.1 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Jun 07, 20- Jun 20, 20 | 208 | 366.9 | 316.7 | 425.1 |
| | Jun 21, 20- Jul 04, 20 | 200 | 363.3 | 311.1 | 424.2 |
| | Jul 05, 20- Jul 18, 20 | 155 | 270.5 | 228.2 | 320.6 |
| | Jul 19, 20- Aug 01, 20 | 116 | 212.1 | 172.5 | 260.9 |
| | Aug 02, 20- Aug 15, 20 | 114 | 222.0 | 179.7 | 274.3 |
| | Aug 16, 20- Aug 29, 20 | 127 | 238.1 | 195.5 | 290.0 |
| | Aug 30, 20- Sept 12, 20 | 117 | 218.5 | 177.3 | 269.2 |
| | Sept 13, 20- Sept 26, 20 | 98 | 182.8 | 145.9 | 229.1 |
| | Sept 27, 20- Oct 10, 20 | 115 | 225.9 | 181.8 | 280.7 |
| | Oct 11, 20- Oct 24, 20 | 124 | 242.5 | 196.2 | 299.7 |
| | Oct 25, 20- Nov 07, 20 | 253 | 460.7 | 401.8 | 528.3 |
| | Nov 08, 20- Nov 21, 20 | 473 | 850.2 | 769.3 | 939.6 |
| | Nov 22, 20- Dec 05, 20 | 441 | 827.8 | 741.6 | 923.9 |
| | Dec 06, 20- Dec 19, 20 | 445 | 815.1 | 732.4 | 907.2 |
| | Dec 20, 20- Jan 02, 21 | 460 | 869.5 | 782.8 | 965.8 |
| | Jan 03, 21- Jan 16, 21 | 493 | 858.6 | 778.2 | 947.3 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Jan 17, 21- Jan 30, 21 | 421 | 778.0 | 697.0 | 868.4 |
| | Jan 31, 21- Feb 13, 21 | 325 | 605.9 | 535.9 | 685.2 |
| | Feb 14, 21- Feb 27, 21 | 226 | 386.8 | 336.0 | 445.4 |
| | Feb 28, 21- Mar 13, 21 | 149 | 265.7 | 222.7 | 317.0 |
| | Mar 14, 21- Mar 27, 21 | 215 | 366.6 | 317.5 | 423.2 |
| | Mar 28, 21- Apr 10, 21 | 220 | 387.1 | 334.4 | 448.2 |
| | Apr 11, 21- Apr 24, 21 | 343 | 581.5 | 517.9 | 652.8 |
| | Apr 25, 21- May 08, 21 | 326 | 523.3 | 465.2 | 588.8 |
| | May 09, 21- May 22, 21 | 241 | 419.3 | 363.0 | 484.3 |
| | May 23, 21- June 05, 21 | 153 | 255.4 | 213.9 | 304.9 |
| | June 06, 21- June 19, 21 | 126 | 201.9 | 167.8 | 243.1 |
| | June 20, 21- July 03, 21 | 94 | 163.8 | 131.1 | 204.7 |
| | July 04, 21- July 17, 21 | 176 | 294.2 | 249.7 | 346.7 |
| | July 18, 21- July 31, 21 | 225 | 370.7 | 320.7 | 428.6 |
| | Aug 01, 21- Aug 14, 21 | 488 | 820.5 | 741.9 | 907.4 |
| | Aug 15, 21- Aug 28, 21 | 561 | 986.2 | 897.9 | 1,083.3 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Aug 29, 21- Sept 11, 21 | 589 | 998.5 | 912.5 | 1,092.6 |
| | Sept 12, 21- Sept 25, 21 | 456 | 810.7 | 730.8 | 899.3 |
| | Sept 26, 21- Oct 09, 21 | 360 | 635.5 | 566.0 | 713.6 |
| | Oct 10, 21- Oct 23, 21 | 356 | 596.7 | 531.3 | 670.2 |
| | Oct 24, 21- Nov 06, 21 | 319 | 556.4 | 490.7 | 631.0 |
| | Nov 07, 21- Nov 20, 21 | 235 | 397.1 | 346.1 | 455.6 |
| | Nov 21, 21- Dec 04, 21 | 226 | 391.0 | 336.6 | 454.1 |
| | Dec 05, 21- Dec 18, 21 | 346 | 582.3 | 517.9 | 654.8 |
| | Dec 19, 21- Jan 01, 22 | 1,325 | 2,294.7 | 2,159.6 | 2,438.2 |
| | Jan 02, 22- Jan 15, 22 | 3,128 | 5,391.5 | 5,184.1 | 5,607.2 |
| | Jan 16, 22- Jan 29, 22 | 1,819 | 3,256.2 | 3,090.9 | 3,430.3 |
| | Mar 01, 20- Mar 14, 20 | 12 | 8.9 | 4.7 | 16.6 |
| | Mar 15, 20- Mar 28, 20 | 66 | 32.7 | 24.9 | 43.0 |
| Multiracial | Mar 29, 20- Apr 11, 20 | 77 | 35.1 | 27.1 | 45.6 |
| | Apr 12, 20- Apr 25, 20 | 53 | 27.4 | 20.1 | 37.4 |
| | Apr 26, 20- May 09, 20 | 58 | 22.8 | 17.2 | 30.4 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | May 10, 20- May 23, 20 | 48 | 20.4 | 14.9 | 28.0 |
| | May 24, 20- Jun 06, 20 | 71 | 32.8 | 25.3 | 42.6 |
| | Jun 07, 20- Jun 20, 20 | 109 | 36.7 | 29.4 | 45.9 |
| | Jun 21, 20- Jul 04, 20 | 209 | 67.4 | 57.4 | 79.1 |
| | Jul 05, 20- Jul 18, 20 | 228 | 87.5 | 75.2 | 101.8 |
| | Jul 19, 20- Aug 01, 20 | 243 | 94.2 | 81.1 | 109.5 |
| | Aug 02, 20- Aug 15, 20 | 160 | 55.5 | 46.0 | 66.9 |
| | Aug 16, 20- Aug 29, 20 | 109 | 37.5 | 30.2 | 46.6 |
| | Aug 30, 20- Sept 12, 20 | 105 | 37.1 | 29.3 | 46.9 |
| | Sept 13, 20- Sept 26, 20 | 93 | 35.9 | 28.3 | 45.6 |
| | Sept 27, 20- Oct 10, 20 | 136 | 51.4 | 41.9 | 63.2 |
| | Oct 11, 20- Oct 24, 20 | 181 | 65.2 | 54.8 | 77.6 |
| | Oct 25, 20- Nov 07, 20 | 417 | 147.1 | 131.2 | 164.9 |
| | Nov 08, 20- Nov 21, 20 | 534 | 187.4 | 169.6 | 207.1 |
| | Nov 22, 20- Dec 05, 20 | 551 | 199.5 | 181.2 | 219.7 |
| | Dec 06, 20- Dec 19, 20 | 547 | 195.2 | 177.2 | 215.1 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Dec 20, 20- Jan 02, 21 | 430 | 154.9 | 138.8 | 172.8 |
| | Jan 03, 21- Jan 16, 21 | 545 | 191.9 | 173.7 | 211.9 |
| | Jan 17, 21- Jan 30, 21 | 331 | 114.9 | 100.8 | 131.0 |
| | Jan 31, 21- Feb 13, 21 | 244 | 81.5 | 70.0 | 94.9 |
| | Feb 14, 21- Feb 27, 21 | 162 | 56.2 | 46.6 | 67.7 |
| | Feb 28, 21- Mar 13, 21 | 158 | 56.1 | 46.6 | 67.5 |
| | Mar 14, 21- Mar 27, 21 | 270 | 94.2 | 81.8 | 108.6 |
| | Mar 28, 21- Apr 10, 21 | 368 | 112.2 | 99.8 | 126.2 |
| | Apr 11, 21- Apr 24, 21 | 486 | 153.2 | 138.1 | 169.9 |
| | Apr 25, 21- May 08, 21 | 399 | 112.4 | 100.2 | 126.1 |
| | May 09, 21- May 22, 21 | 266 | 73.4 | 63.8 | 84.6 |
| | May 23, 21- June 05, 21 | 173 | 49.2 | 41.3 | 58.7 |
| | June 06, 21- June 19, 21 | 103 | 30.6 | 24.4 | 38.4 |
| | June 20, 21- July 03, 21 | 102 | 31.5 | 24.7 | 40.3 |
| | July 04, 21- July 17, 21 | 170 | 51.1 | 42.8 | 61.0 |
| | July 18, 21- July 31, 21 | 362 | 118.0 | 104.7 | 133.1 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Aug 01, 21- Aug 14, 21 | 620 | 193.3 | 176.0 | 212.4 |
| | Aug 15, 21- Aug 28, 21 | 611 | 189.0 | 171.7 | 208.2 |
| | Aug 29, 21- Sept 11, 21 | 638 | 204.1 | 185.6 | 224.5 |
| | Sept 12, 21- Sept 25, 21 | 643 | 196.4 | 178.6 | 215.9 |
| | Sept 26, 21- Oct 09, 21 | 572 | 173.6 | 156.9 | 192.1 |
| | Oct 10, 21- Oct 23, 21 | 560 | 162.6 | 147.2 | 179.7 |
| | Oct 24, 21- Nov 06, 21 | 436 | 134.8 | 119.9 | 151.6 |
| | Nov 07, 21- Nov 20, 21 | 434 | 134.8 | 120.2 | 151.0 |
| | Nov 21, 21- Dec 04, 21 | 372 | 117.5 | 104.0 | 132.9 |
| | Dec 05, 21- Dec 18, 21 | 538 | 148.9 | 134.5 | 164.9 |
| | Dec 19, 21- Jan 01, 22 | 613 | 190.5 | 173.5 | 209.1 |
| | Jan 02, 22- Jan 15, 22 | 1,154 | 317.8 | 295.8 | 341.3 |
| | Jan 16, 22- Jan 29, 22 | 661 | 181.4 | 164.9 | 199.5 |
| | Mar 01, 20- Mar 14, 20 | 7 | 9.0 | 4.1 | 20.0 |
| AIAN | Mar 15, 20- Mar 28, 20 | 34 | 38.0 | 26.9 | 53.6 |
| | Mar 29, 20- Apr 11, 20 | 55 | 62.0 | 47.4 | 81.2 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Apr 12, 20- Apr 25, 20 | 44 | 46.0 | 34.2 | 61.9 |
| | Apr 26, 20- May 09, 20 | 78 | 80.6 | 64.5 | 100.8 |
| | May 10, 20- May 23, 20 | 61 | 64.7 | 50.1 | 83.5 |
| | May 24, 20- Jun 06, 20 | 99 | 106.4 | 87.0 | 130.2 |
| | Jun 07, 20- Jun 20, 20 | 113 | 117.1 | 97.3 | 141.0 |
| | Jun 21, 20- Jul 04, 20 | 113 | 120.8 | 100.0 | 145.8 |
| | Jul 05, 20- Jul 18, 20 | 107 | 114.9 | 94.5 | 139.7 |
| | Jul 19, 20- Aug 01, 20 | 162 | 170.5 | 145.6 | 199.5 |
| | Aug 02, 20- Aug 15, 20 | 126 | 138.8 | 115.7 | 166.5 |
| | Aug 16, 20- Aug 29, 20 | 80 | 83.4 | 66.7 | 104.2 |
| | Aug 30, 20- Sept 12, 20 | 60 | 65.0 | 50.1 | 84.5 |
| | Sept 13, 20- Sept 26, 20 | 68 | 69.2 | 54.5 | 87.9 |
| | Sept 27, 20- Oct 10, 20 | 73 | 75.5 | 60.0 | 95.1 |
| | Oct 11, 20- Oct 24, 20 | 63 | 67.1 | 52.0 | 86.6 |
| | Oct 25, 20- Nov 07, 20 | 135 | 142.4 | 119.9 | 169.1 |
| | Nov 08, 20- Nov 21, 20 | 311 | 333.5 | 297.6 | 373.7 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | Nov 22, 20- Dec 05, 20 | 461 | 484.1 | 441.2 | 531.2 |
| | Dec 06, 20- Dec 19, 20 | 469 | 496.4 | 452.7 | 544.3 |
| | Dec 20, 20- Jan 02, 21 | 368 | 389.3 | 350.8 | 431.9 |
| | Jan 03, 21- Jan 16, 21 | 397 | 409.2 | 370.6 | 451.9 |
| | Jan 17, 21- Jan 30, 21 | 291 | 302.9 | 269.5 | 340.5 |
| | Jan 31, 21- Feb 13, 21 | 249 | 257.1 | 226.7 | 291.6 |
| | Feb 14, 21- Feb 27, 21 | 167 | 170.8 | 146.5 | 199.1 |
| | Feb 28, 21- Mar 13, 21 | 169 | 170.1 | 146.2 | 197.9 |
| | Mar 14, 21- Mar 27, 21 | 170 | 171.1 | 147.1 | 199.0 |
| | Mar 28, 21- Apr 10, 21 | 201 | 206.9 | 179.7 | 238.2 |
| | Apr 11, 21- Apr 24, 21 | 258 | 262.2 | 231.7 | 296.6 |
| | Apr 25, 21- May 08, 21 | 212 | 217.5 | 189.7 | 249.2 |
| | May 09, 21- May 22, 21 | 193 | 195.9 | 169.9 | 225.9 |
| | May 23, 21- June 05, 21 | 107 | 106.9 | 88.4 | 129.3 |
| | June 06, 21- June 19, 21 | 85 | 87.9 | 70.9 | 109.1 |
| | June 20, 21- July 03, 21 | 55 | 58.8 | 44.7 | 77.3 |

| Race/Ethnicity | Two-Week Period | Case Count | Age- Adjusted Case Rate per 100,000 | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
|----------------|-----------------------------|------------|--|-------------------------------------|-------------------------------------|
| | July 04, 21- July 17, 21 | 77 | 78.6 | 62.6 | 98.6 |
| | July 18, 21- July 31, 21 | 242 | 249.2 | 219.3 | 283.1 |
| | Aug 01, 21- Aug 14, 21 | 453 | 467.6 | 426.0 | 513.4 |
| | Aug 15, 21- Aug 28, 21 | 609 | 631.7 | 582.8 | 684.6 |
| | Aug 29, 21- Sept 11, 21 | 627 | 653.2 | 603.2 | 707.3 |
| | Sept 12, 21- Sept 25, 21 | 551 | 567.7 | 521.4 | 618.0 |
| | Sept 26, 21- Oct 09, 21 | 494 | 509.4 | 465.7 | 557.2 |
| | Oct 10, 21- Oct 23, 21 | 430 | 443.4 | 402.9 | 487.9 |
| | Oct 24, 21- Nov 06, 21 | 343 | 351.5 | 315.8 | 391.2 |
| | Nov 07, 21- Nov 20, 21 | 239 | 244.7 | 215.0 | 278.5 |
| | Nov 21, 21- Dec 04, 21 | 217 | 224.1 | 195.8 | 256.4 |
| | Dec 05, 21- Dec 18, 21 | 225 | 232.6 | 203.7 | 265.7 |
| | Dec 19, 21- Jan 01, 22 | 675 | 696.4 | 645.1 | 751.9 |
| | Jan 02, 22- Jan 15, 22 | 2,026 | 2,087.1 | 1,996.8 | 2,181.4 |
| | Jan 16, 22- Jan 29, 22 | 1,543 | 1,579.2 | 1,501.5 | 1,660.9 |

Source: Washington Disease Reporting System (WDRS)

Cumulative crude confirmed or probable case counts and percentages by language spoken

Analysis of language spoken provides another important method to understand health disparities and communities impacted by COVID-19. Use of one method alone may mask health disparities and community-specific impacts. Almost half of reported confirmed or probable cases are missing information on primary language. Despite missing data, there are some important observations.

The following table presents counts and percentages of confirmed or probable cases, by primary language spoken. The percentage of the Washington state population 5 years and over with limited English proficiency that speak each language are also included to provide context. The information on the percentage of the Washington state population with limited English proficiency come from the Office of Financial Management 2016 estimates. Findings should be interpreted with caution due to the high proportion of missing data (75%).

Table 4. Confirmed or probable COVID-19 case count and percentage of cases by primary language spoken

| Language | Case Count | % of Cases | % of WA Population with Limited English Proficiency* |
|------------------|------------|------------|--|
| All Cases | 1,385,699 | 100.0% | |
| Unknown Language | 1,037,528 | 74.9% | |
| Known Language | 348,171 | 25.1% | |
| English | 301,035 | 86.5*% | |
| Spanish | 39,865 | 11.4*% | 6.4 |
| Marshallese | 351 | 0.1*% | 0.1 |
| Vietnamese | 1,260 | 0.4*% | 0.5 |
| Russian | 1,724 | 0.5*% | 0.3 |
| Chinese (all) | 449 | 0.1*% | 0.3 |
| Ukrainian | 301 | 0.1*% | 0.2 |
| Somali | 362 | 0.1*% | 0.1 |
| Tagalog | 170 | 0.0*% | 0.1 |
| Amharic | 203 | 0.1*% | 0.1 |

| Language | Case Count | % of Cases | % of WA Population with Limited English Proficiency* |
|----------|------------|------------|--|
| Other | 2,451 | 0.7*% | |

^{*}For more information on the selected WA populations by primary language reported here, please see the WA OFM methodology,

https://ofm.wa.gov/sites/default/files/public/legacy/pop/subject/ofm_pop_limited_english_proficiency_methodology.pdf

Cumulative hospitalization percentages among confirmed or probable COVID-19 cases by language spoken

The following table and graph present the percentages of confirmed or probable cases who were hospitalized, by primary language spoken. The high rates of hospitalizations among confirmed or probable cases whose primary language was other than English or Spanish suggests that increased exposures and/or barriers to care may contribute to more severe disease in these populations. Languages with less than 10 individuals hospitalized were removed from this analysis to protect patient confidentiality. Findings should be interpreted with caution due to the high proportion of missing data (75%).

Table 5: Percentages of confirmed or probable COVID-19 cases hospitalized by primary language spoken

| Language | Case Count | Hospitalization Count | % language specific cases hospitalized |
|---------------|------------|--------------------------|--|
| All Cases | 1,385,699 | 56,025 | 4% |
| English | 301,035 | 13,700 | 4.6% |
| Spanish | 39,865 | 1,810 | 4.5% |
| Marshallese | 351 | 54 | 15.4% |
| Vietnamese | 1,260 | 126 | 10% |
| Russian | 1,724 | 276 | 16% |
| Chinese (all) | 449 | 52 | 11.6% |
| Ukrainian | 301 | 68 | 22.6% |
| Somali | 362 | 26 | 7.2% |
| Tagalog | 170 | 33 | 19.4% |

| Language | Case Count | Hospitalization Count | % language specific cases hospitalized |
|----------|------------|--------------------------|--|
| Amharic | 203 | 16 | 7.9% |
| Other | 2,451 | 268 | 10.9% |

